



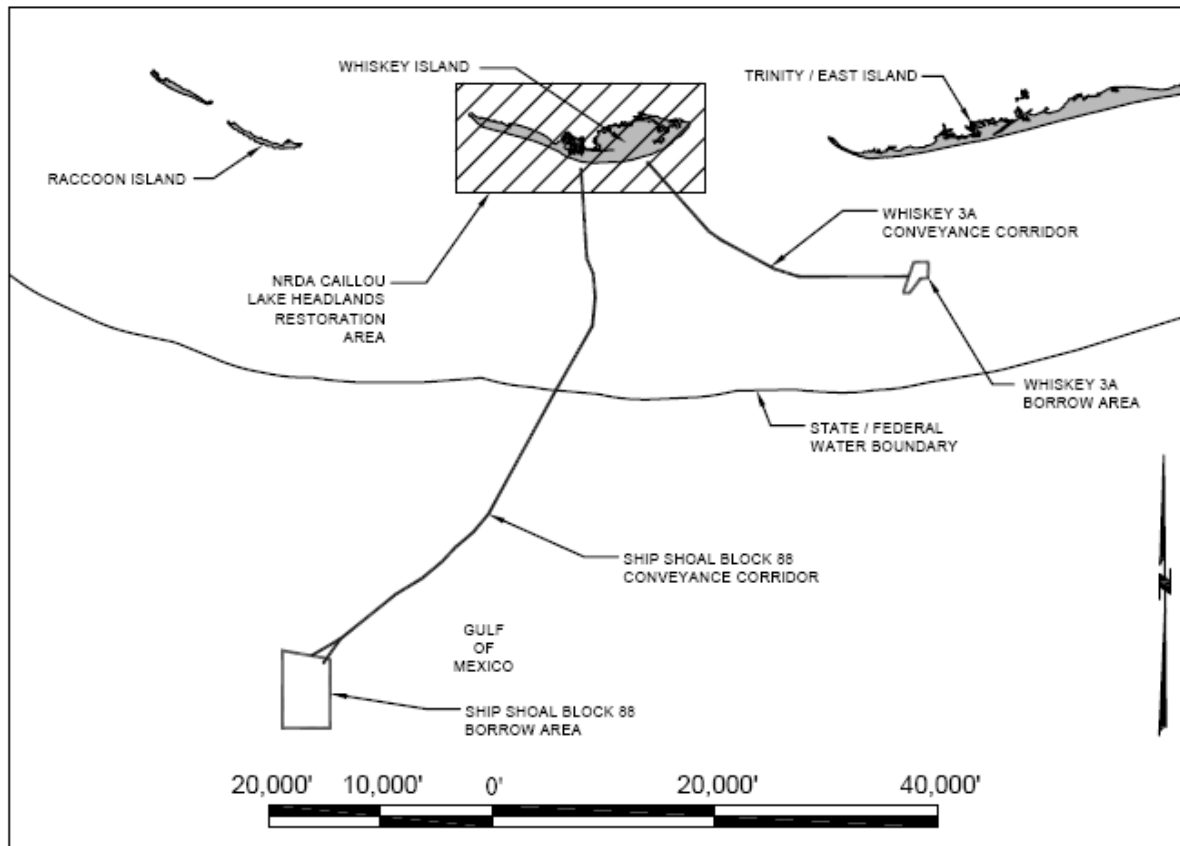
Russ Joffrion, P.E.
Engineering Division
May 6, 2014



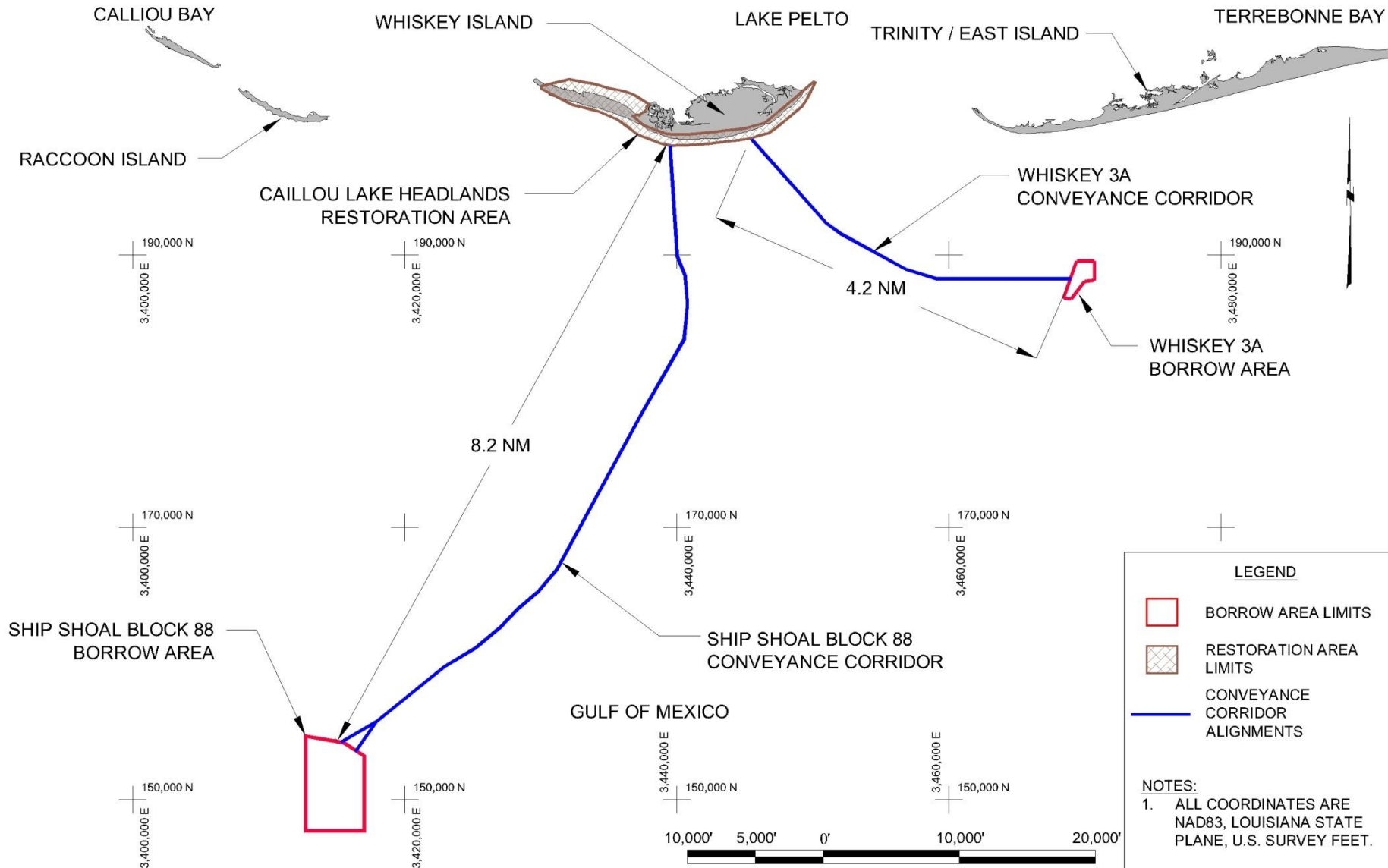
PROJECT INFORMATION

- Originally funded through the LCA Program; anticipated funding through Early NRDA.
- Create/Restore approximately 512 acres of beach and dune habitat above mean high water.
- Create/Restore approximately 150 acres of marsh habitat.
- Completion of engineering and design: Summer/Fall 2014
- Anticipated Bid Advertisement: TBD

PROJECT VICINITY MAP



PROJECT OVERVIEW MAP



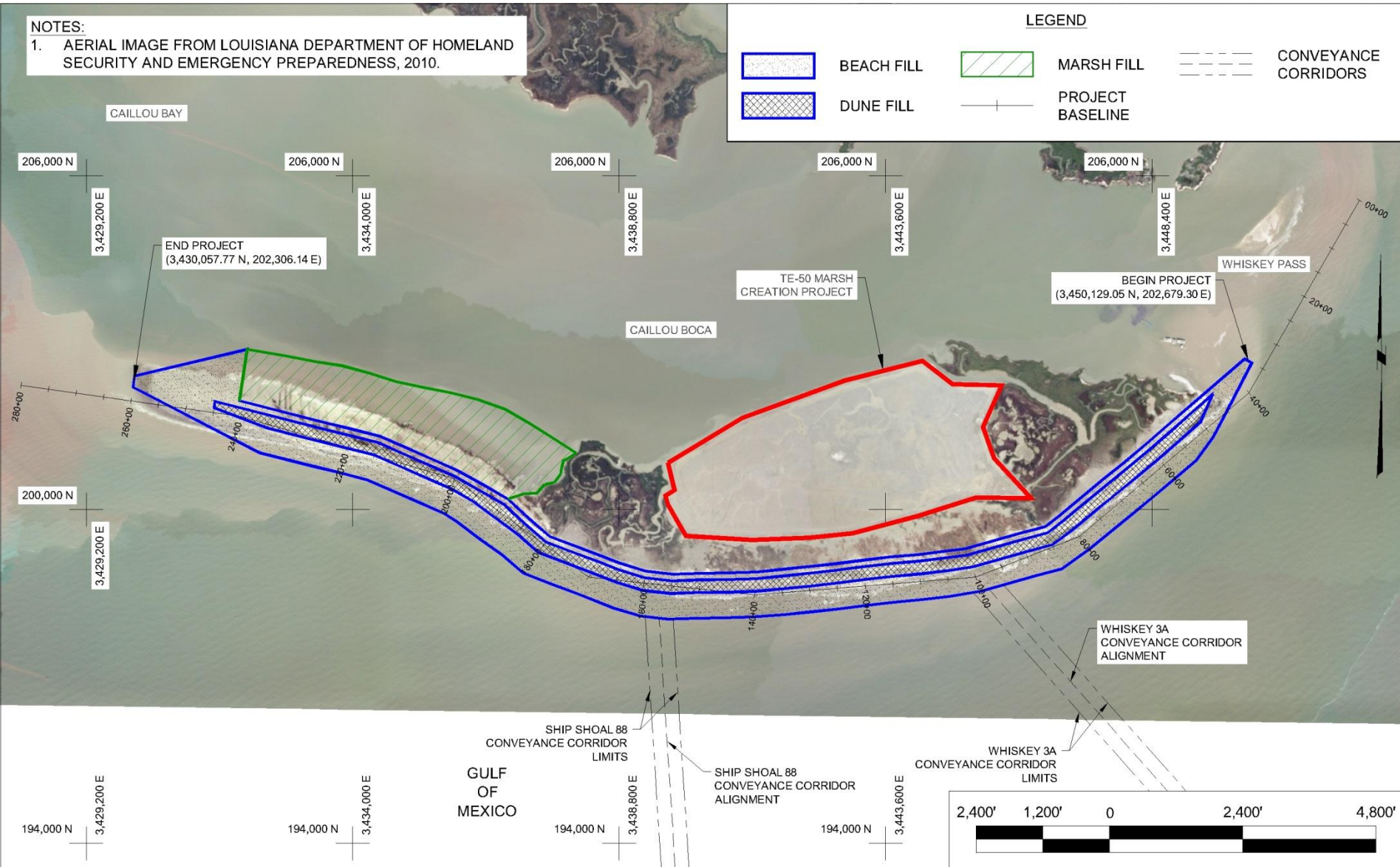
RESTORATION AREA PLAN VIEW

NOTES:

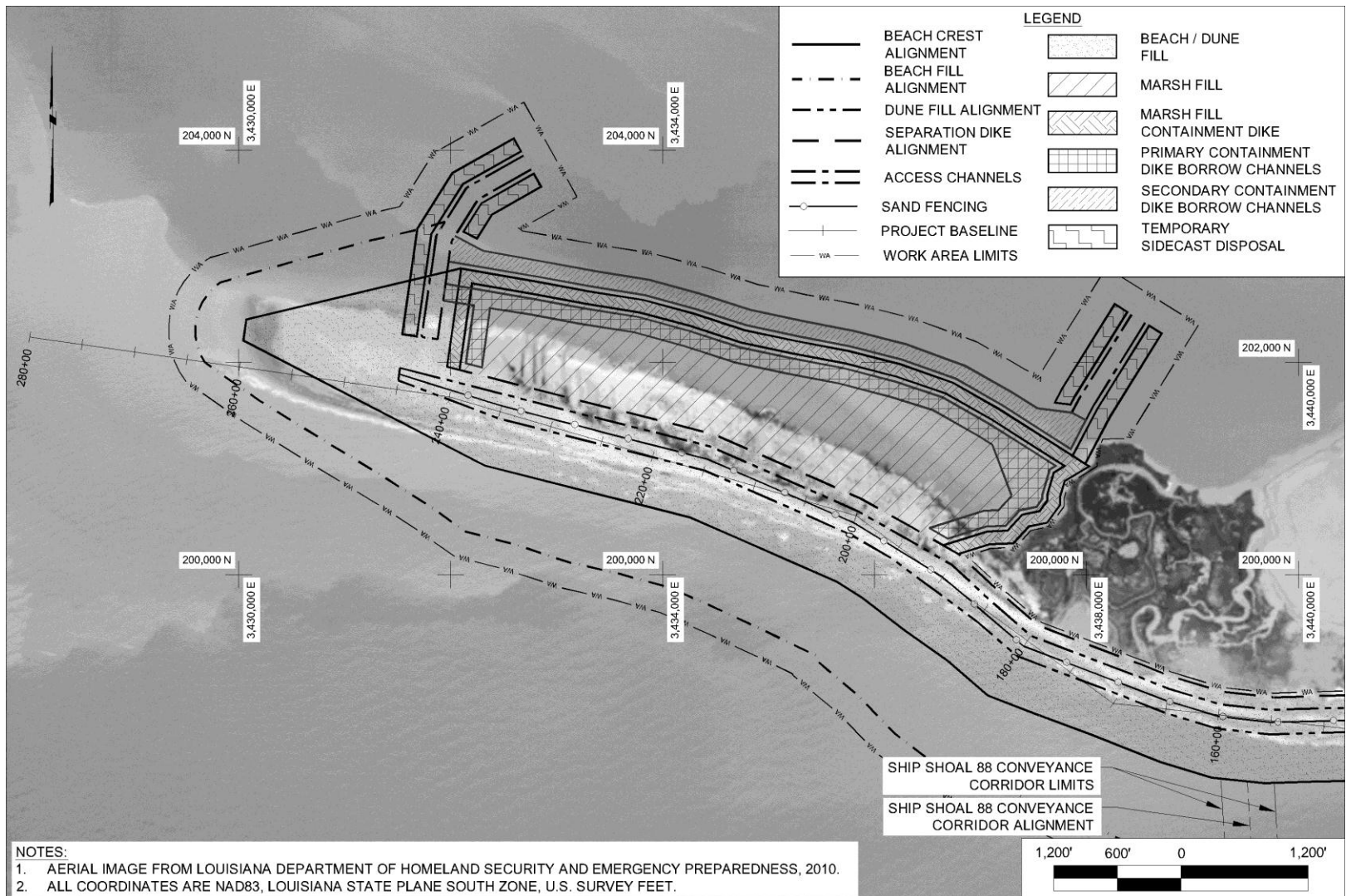
1. AERIAL IMAGE FROM LOUISIANA DEPARTMENT OF HOMELAND SECURITY AND EMERGENCY PREPAREDNESS, 2010.

LEGEND

	BEACH FILL		MARSH FILL		CONVEYANCE CORRIDORS
	DUNE FILL		PROJECT BASELINE		



BEACH/DUNE AND MARSH FILL PLAN VIEW



BEACH/DUNE AND MARSH FILL PLAN VIEW

NOTES:

1. AERIAL IMAGE FROM LOUISIANA DEPARTMENT OF HOMELAND SECURITY AND EMERGENCY PREPAREDNESS, 2010.
2. GEOTECHNICAL BORINGS CONDUCTED BY GEOENGINEERS, MAY, 2012.
3. CPT MEASUREMENTS CONDUCTED BY GEOENGINEERS, FEBRUARY 2014.
4. MANUAL PROBINGS CONDUCTED BY CEC AND EMC, FEBRUARY 2014.
5. ALL COORDINATES ARE NAD83, LOUISIANA STATE PLANE SOUTH ZONE, U.S. SURVEY FEET.

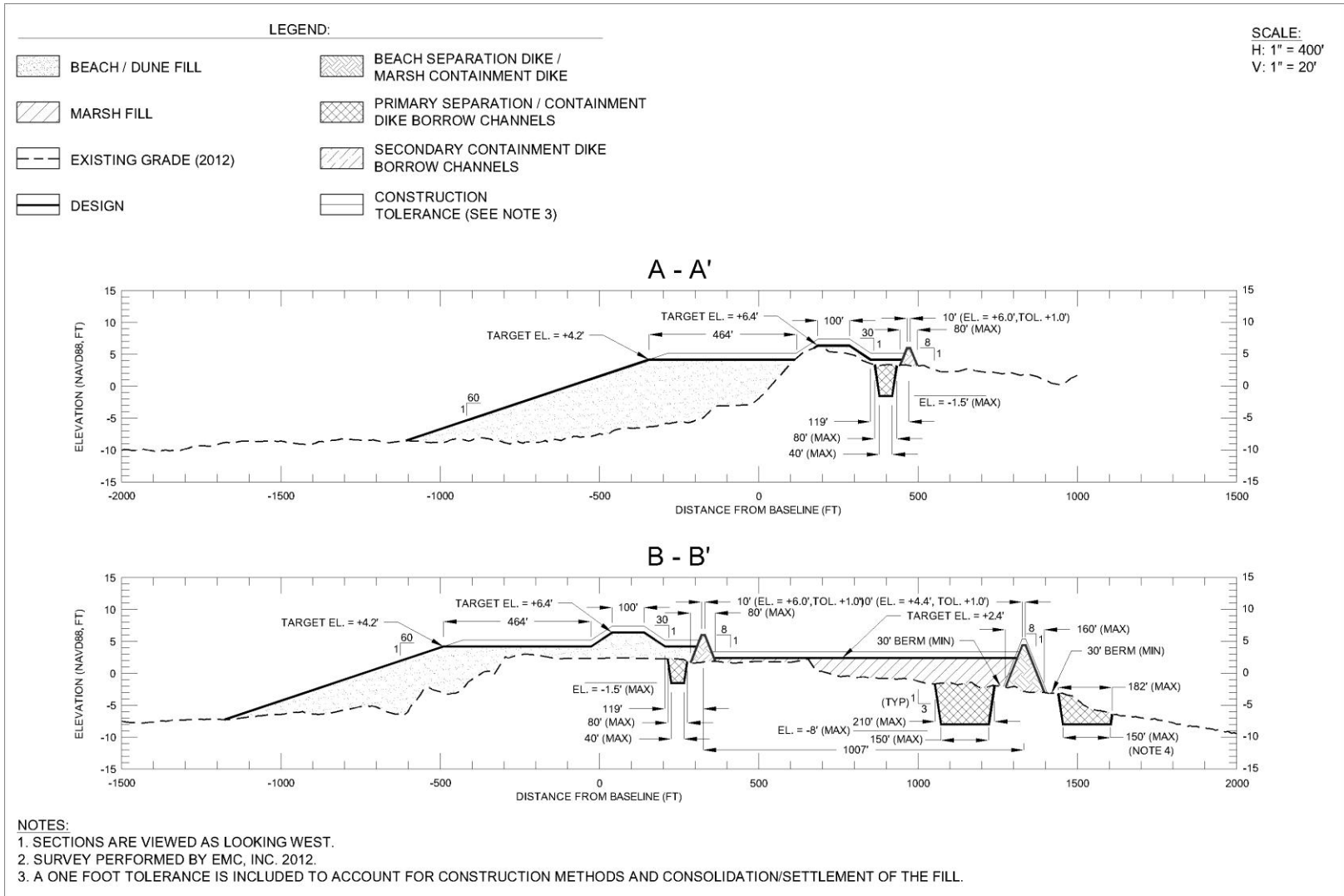


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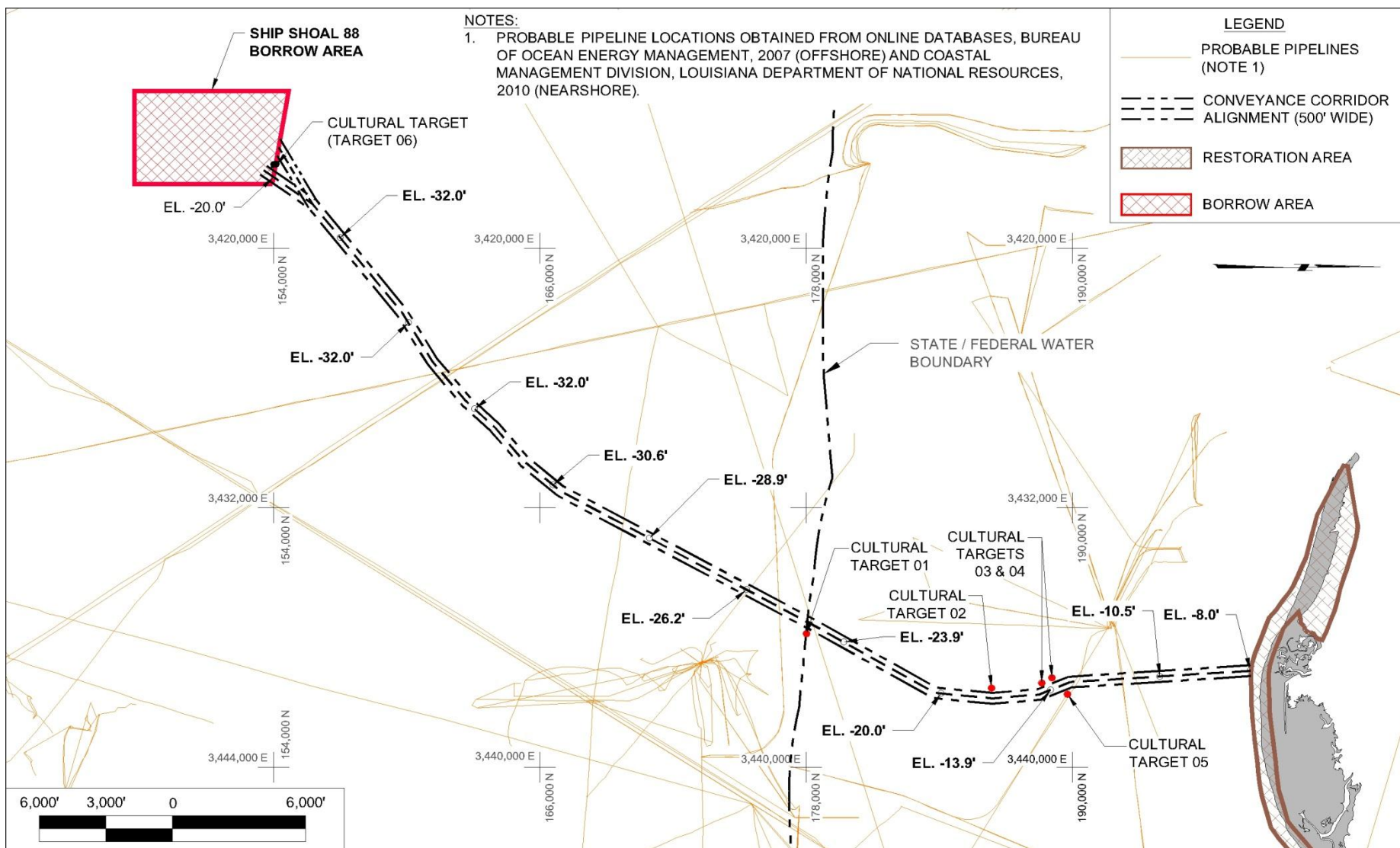
- MARSH CONTAINMENT DIKE ALIGNMENT
- ⊕ B-1 BORING LOCATION
- ⊕ CPT-01 PROPOSED CPT LOCATION
- MP-01 MANUAL PROBING LOCATION

Louisiana

Typical Cross Sections

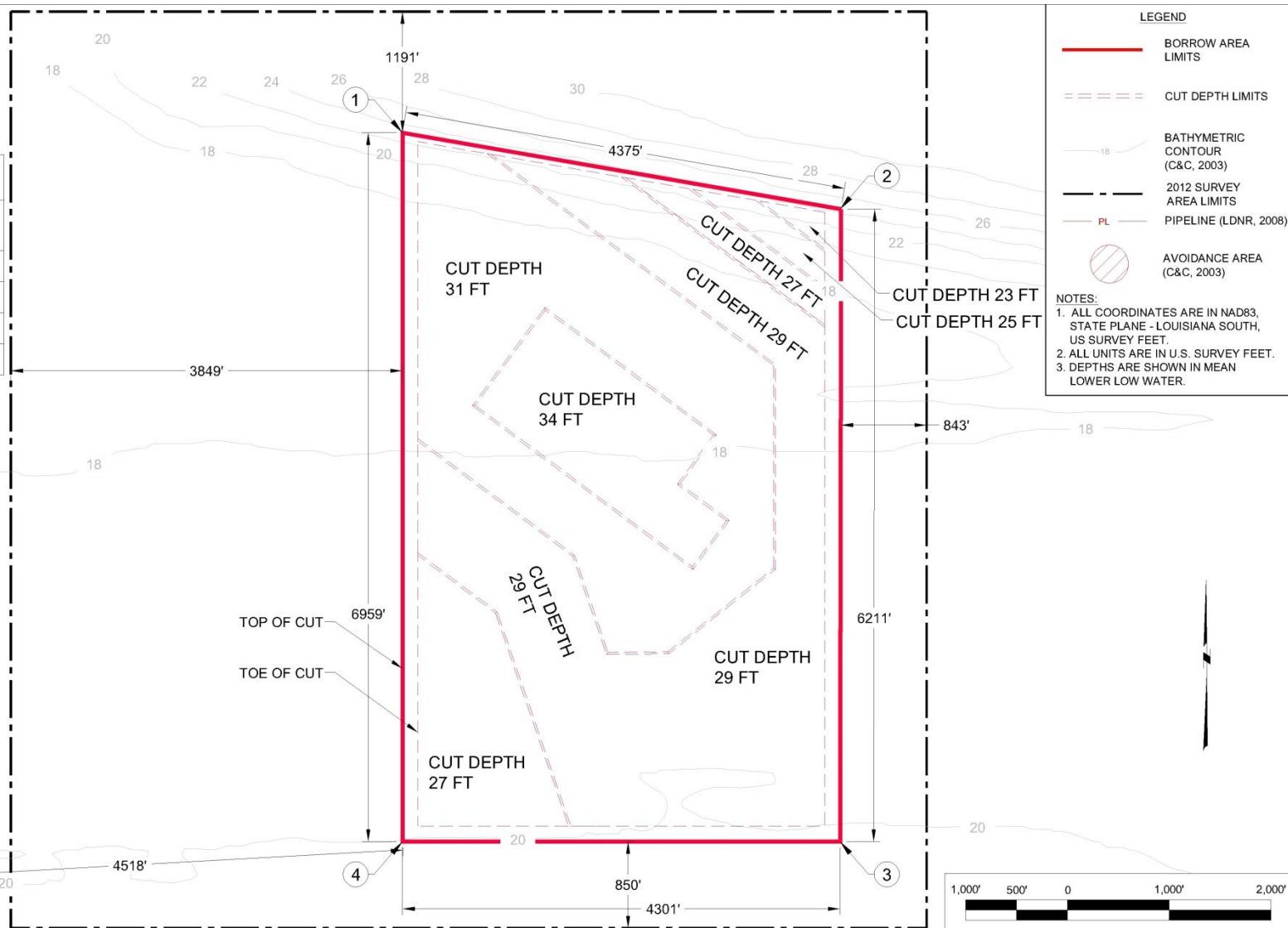


SHIP SHOAL BLOCK 88 BORROW AREA

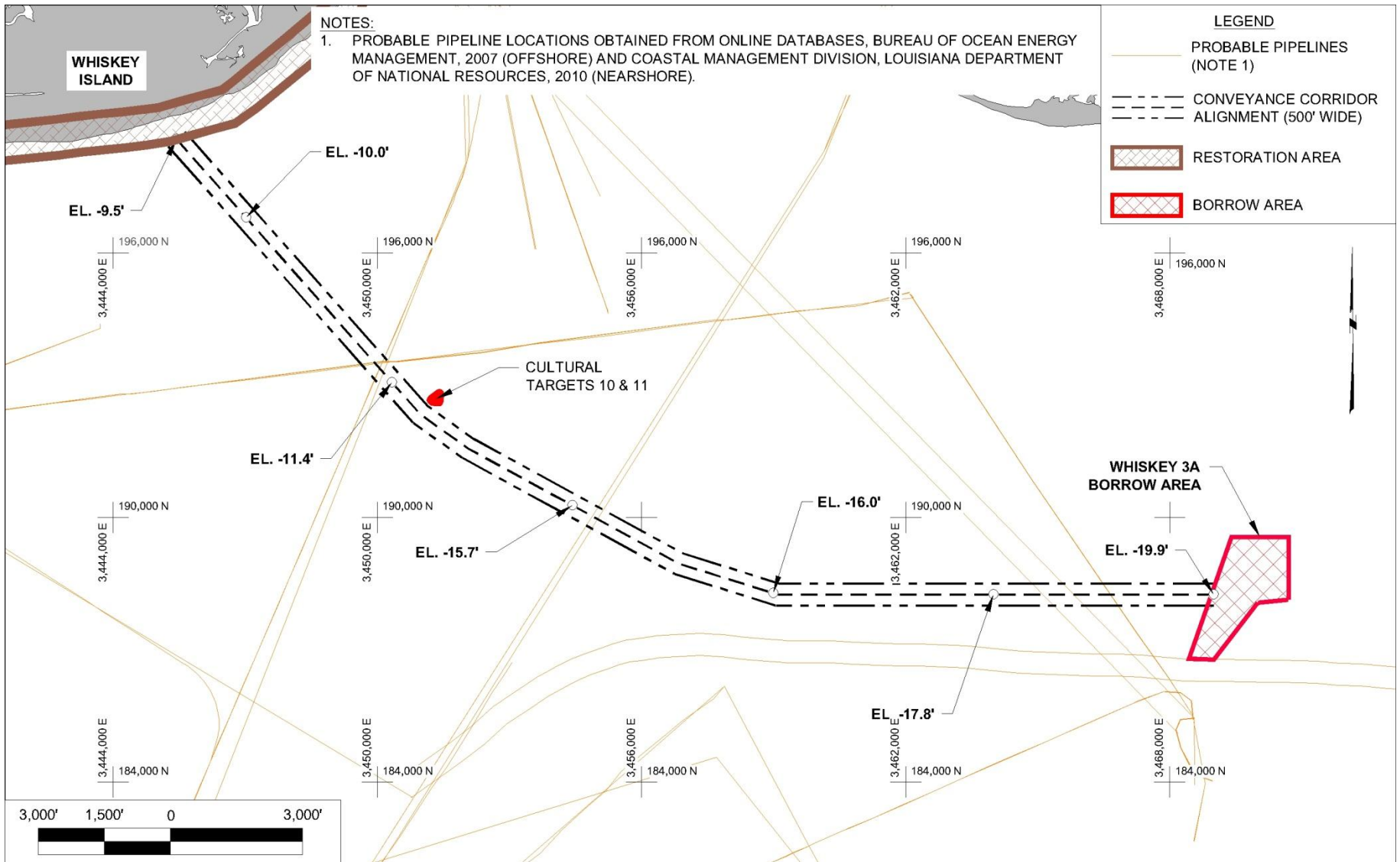


SHIP SHOAL BLOCK 88 BORROW AREA

BORROW AREA COORDINATES		
POINT	NORTHING	EASTING
①	1154681.4	3412709.2
②	153933.5	3417019.9
③	147722.3	3417009.7
④	147722.3	3412709.2



WHISKEY 3A BORROW AREA



WHISKEY 3A BORROW AREA

LEGEND

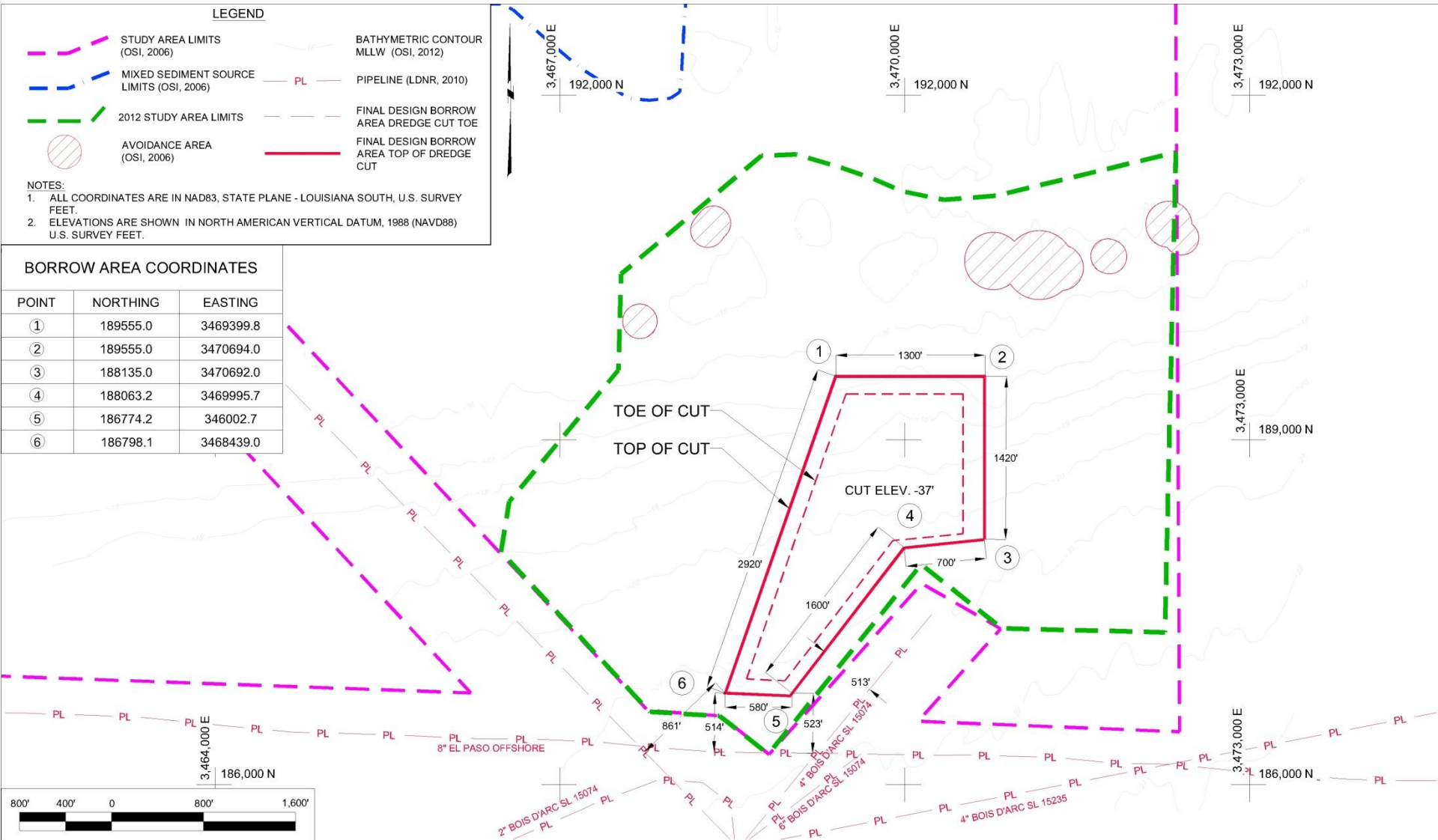
- STUDY AREA LIMITS (OSI, 2006)
- MIXED SEDIMENT SOURCE LIMITS (OSI, 2006)
- 2012 STUDY AREA LIMITS
- AVOIDANCE AREA (OSI, 2006)
- PL BATHYMETRIC CONTOUR MLLW (OSI, 2012)
- PL PIPELINE (LDNR, 2010)
- PL FINAL DESIGN BORROW AREA DREDGE CUT TOE
- PL FINAL DESIGN BORROW AREA TOP OF DREDGE CUT

NOTES:

1. ALL COORDINATES ARE IN NAD83, STATE PLANE - LOUISIANA SOUTH, U.S. SURVEY FEET.
2. ELEVATIONS ARE SHOWN IN NORTH AMERICAN VERTICAL DATUM, 1988 (NAVD88) U.S. SURVEY FEET.

BORROW AREA COORDINATES

POINT	NORTHING	EASTING
①	189555.0	3469399.8
②	189555.0	3470694.0
③	188135.0	3470692.0
④	188063.2	3469995.7
⑤	186774.2	346002.7
⑥	186798.1	3468439.0



SUMMARY OF ESTIMATED QUANTITIES

• Beach/Dune Fill:	8.9M CY (Fill)
• Marsh Creation:	819K CY (Fill)
• Beach/Dune Separation Dike:	18,600 LF
• Marsh Containment Dike:	8,550 LF
• Access Channel	Lump Sum
• Settlement Plates	10 EA
• Sand Fencing	24,800 LF
• Warning Signs	20 EA

QUESTIONS